

II. Listing of the Claims:

This listing of the claims replaces all prior versions and listings of the claims in this application:

1. (Previously Cancelled)

2. (Previously Cancelled)

3. (Previously Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently amended) The Internet connection system of Claim ~~[[4]]~~14, wherein

the server further comprises a command conversion section for converting said instruction received from the user at the Web server device to a command to be sent to the client device in a predetermined manufacturer model specific format to control the client device based on the manufacturer model determined by the model identification section.

7. (Previously Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Currently amended) An Internet connection system, comprising:
- a relay device connected to a client device and provided in a first network, the first network communicated in a first protocol; and
 - a server connected to the relay device through a second network in a second protocol, the second network being the Internet,
 - wherein the relay device comprises:
 - a client device global address storage section for storing a global address of the client device in the first protocol;
 - a server address storage section for storing a global address of the server in the second protocol;
 - a first routing device for routing a connection from the client device through the server based on the global address of the server stored in the server address storage section; and
 - a first packet processing device for capsulating/decapsulating packets, the packets being in the first protocol, using the second protocol to thereby establish a tunneling connection with the server in the first protocol;
 - and wherein the server comprises:
 - a Web server device for receiving a selection of the client device and an instruction for controlling the client device from a user via the Internet;
 - a second packet processing device for capsulating/decapsulating packets, the packets being in the first protocol, using the second protocol to thereby establish a tunneling connection with the relay device;
 - a client device global address management device for managing the global address of the client device in the first protocol, the client device connected to the relay device, in association with a global address of the relay device in the second protocol;
 - a second routing device for routing a connection to the relay device based on the global address of the client device managed by the client device global address management device;
 - a model identification section for determining if the client device is of a predetermined manufacturer model or the relay device is of a predetermined manufacturer model;
 - a client device control section for receiving the selection of the client device and the instruction from the Web server device, receiving the manufacturer model of the client device or the relay device determined in the model identification section, and sending a packet including a command to the client device based on the instruction and the manufacturer model;
 - a network type identification section for determining if an environment of the first network connected with the client device and/or the relay device is of a predetermined network environment type;

a communication session disconnection section for disconnecting communication sessions or halting transmissions of packets that the server receives if a private network environment connected with the client device or the relay device is determined to be not of the predetermined network environment type;

a state information obtaining section for obtaining at least one of an operation state, a usage state, and location information of the client device and/or the relay device;

a search section for searching for the client device or the relay device based on at least one of the global address, the operation state, the usage state, and the location information of the client device or the relay device, the search section having a means for displaying a list of the client devices connected to each of the relay devices; and

~~The Internet connection system of Claim 13~~, wherein the server further comprises a client device control section for controlling the client device, which selects a specific client device from the list to thereby activate a control program for the specific client device.

15. (Previously Cancelled)
16. (Previously Cancelled)
17. (Previously Cancelled)
18. (Previously Cancelled)
19. (Previously Cancelled)
20. (Previously Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Previously Cancelled)
24. (Previously Cancelled)
25. (Cancelled)
26. (Cancelled)

27. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[25]]~~ 14, wherein
the client device includes a peripheral device which is communicable with the relay device but
cannot by itself connect to the Internet.

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[30]]~~ 14, wherein
the state information obtaining section obtains at least one of the operation state, the usage state,
and the location information of the client device using a method according to a manufacturer model of the
client device.

32. (Cancelled)

33. (Cancelled)

34. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[33]]~~ 14, wherein
the ~~search section comprises a means for displaying a list of the client devices found by the~~
~~search section, each with~~ displays the operation state of each client device.

35. (Cancelled)

36. (Cancelled)

37. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[25]]~~ 14, wherein
the relay device is provided in the client device.

38. (Cancelled)

39. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[38]]~~14, wherein the first and second protocols are different.

40. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[38]]~~14, wherein the first and second protocols are the same.

41. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[38]]~~14, wherein said server further comprises ~~[[comprising]]~~:

a client device address search section for searching for the global address of the client device in the first protocol based on a connection request to the client device.

42. (Currently amended) The ~~server~~ Internet connection system of Claim 41, wherein said server further comprises ~~[[comprising]]~~:

a connection requester authentication section for authenticating a user who requested a connection to the client device to thereby permit or deny the connection to the client device.

43. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[38]]~~14, wherein said server further comprises ~~[[comprising]]~~:

a tunneling connection information management device for managing information of the tunneling connection between the relay device and the server, wherein

the tunneling connection information management device sends a notification to the relay device of the global address of the server in the second protocol, and obtains the global address of the relay device in the second protocol and an entirety or part of the global address of the client device in the first protocol.

44. (Currently amended) The ~~server~~ Internet connection system of Claim 43, wherein

the tunneling connection information management device authenticates the relay device to obtain an authentication result, and, if the authentication result is positive, sends the notification.

45. (Currently amended) The ~~server~~ Internet connection system of Claim ~~[[38]]~~14, wherein said server further comprises ~~[[comprising]]~~:

a filtering processing device for filtering communications to/from the client device according to

predetermined rules.

46. (Currently amended) The ~~server~~ Internet connection system of Claim 45, wherein said server further comprises [[comprising]]:

 a filtering rule setup section for providing an interface for editing the predetermined rules.